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## IN THE CLAIMS:

1. (Currently Amended) An ohmic contact formation method comprising:

forming a film comprising Si and Ti on a surface of a layer of a Group III nitride semiconductor; and

heat-treating the film and the semiconductor layer.

thereby diffusing Si as a dopant in the semiconductor layer.

- 2. (Original) The contact formation method as set forth in claim 1, wherein the film formation is performed by depositing Si and Ti in this order.
- 3. (Previously Presented) The contact formation method as set forth in claim 1, wherein a heat treatment temperature is in the range of 500° to 1100°C.

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- 4. (Withdrawn) A semiconductor device comprising:
- a Group III nitride semiconductor layer into which Si is diffused as an impurity by a heat treatment performed after a film comprising Si and Ti is formed on a surface of the Group III nitride semiconductor layer; and

an electrode film of  $TiSi_2$  formed by a reaction between Ti and Si.